Work Order ID 51477

D

August 25, 2009 1:02:38 PM

Item ID:

D2580-1

Revision ID:

Item Name:

205 Skidtube bent detail

Start Date:

8/25/09

Start Qty: 2.00

Required Date: 9/09/09

Req'd Qty: 2.00



Reference:

Approvals:

Sequence ID/

Draw Nbr

Work Center ID

Process Plan:

QC:

Revision Nbr

Date: 09 8-25 Tooling:

Date:

SPC (Y/N):

0.00

Accept

Set Up/

Run Hours

D2580 Rev D

100

HandFinish

Memo

0.00

Hand Finishing 1- Inspect mat'l D2500-1-190 for damage.

Operation

Description

2- Chemical Conversion Coat as per QSI 005 4.1

101

Quality Control

QC3- Inspect Part Finish

0.00

Memo

0.00

Setup Start

Stop



Cust Item ID:

Customer:

Date:

Date:

Start Run

Stop



Draw Number

Draw Rev.

Plan Code Qty

Accept

2

Reject Qty

Reject Number

Insp. Stamp

Ø - ANM9-8-26

M918/26

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES	ANGES					
DATE STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
						*		

Part No: _		PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:

		Description of NC		Corrective Action Section B		Verification	Ammerical	Annroyal
DATE	STEP	Section A	Initial Action Description Chief Eng Chief Eng		Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Work Order ID 51477

August 25, 2009 1:02:38 PM

Item ID:

D2580-1

Revision ID:

205 Skidtube bent detail Item Name:

D

Start Date:

8/25/09

QC:

Start Qty: 2.00

Operation

Description

Required Date: 9/09/09

Req'd Qty: 2.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Accept

Date:

SPC (Y/N):

Set Up/ **Run Hours**

0.00

110

Sequence ID/

Work Center ID

Skidtubes

Skidtubes

Memo

0.00

1-Drill pilot holes using drill jig DT 8149 (Do not use cutting fluid)

2-Open holes to 0.500" as per Dwg D2580 without cutting fluid

3-Deburr and blow out all chips from inside of tube

4-Bond web in place per QSI 015.

A/R Sikaflex-291 batch: 29/1231
Sikaflex expire date: 19/2 2/100

Start time: / ./ 36 bond for 12hrs

130

QC5- Inspect part completeness to step on W/O

0.00

0.00

Setup Start



Stop

Cust Item ID:

Date:

Date:

Customer:

Run

Start





Draw Number

Draw Rev.

Plan Code

Accept Qty

Reject Qty

Reject Insp. Number

Stamp

Awns. 526

BE 9-828

Quality Control

Memo

Dart	Aeros	space	Ltd
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W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
							•				
·		-									
	1	•									

Part No:		PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:

NÇR:	•	• •	WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		Corrective Action Section B		Verification	Approval Chief Eng	Approval QC Inspector		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C				
					:					
							·			
							=			

NOTE: Date & initial all entries

Work Order ID 51477

August 25, 2009 1:02:38 PM

Item ID:

D2580-1

D

Revision ID:

205 Skidtube bent detail Item Name:

Start Date:

8/25/09

Start Qty: 2.00

Required Date: 9/09/09

Req'd Qty: 2.00



Reference:

Approvals:

Process Plan:

Date: **Tooling:**

QC:

Date:

SPC (Y/N):

Set Up/

Run Hours

Sequence ID/ Work Center ID

140

Packaging

Packaging

Operation **Description**

Identify as per dwg & Stock Location:

Memo

0.00

150

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

Memo

Accept



Setup Start



Stop

Cust Item ID:

Customer:

Draw

Number

Date:

Date:

Draw

Rev.

Plan

Code

Run

Start

Stop



Reject Qty

Reject Number

Insp. Stamp

Qty

Accept

09-08-28

09/08/31 AST

Dart Aerospace Ltd

W/O:			WO	RK ORDER CHANG	iES					
DATE	STEP	PRO	OCEDURE CHAN	IGE	E	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	·									
				•						
Part No	:	PAR #:	Fault Categ	ory:	NCR:	Yes 1	do DQ	A :	_ Date: _	
Resolution:		Disposition	:	QA: N	/C Clo	sed:		Date:		
NCR:		• (WORK ORDE	R NON-CONFORM	ANCE (NCR))			
DATE	OTED	Description of NC	Description of NC Corrective Action				Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Action Desc Chief Eng Chief Eng		otion Sign & Date		1 & Section C		Chief Eng	QC Inspector
•										
		,							- *.	
	.									

NOTE: Date & initial all entries

Picklist Print

August 25, 2009 1:02:38 PM

Work Order ID: 51477

D2580-1RevD

Parent Item Name: 205 Skidtube bent detail

Comments:

Parent Item:



Start Date: 8/25/09

Required Date: 9/09/09

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2500-1-190RevU/R		Manufactured	No			100	Each	0.0000	2.0000	3-50/		a) AWM 95.26
Ext'n -`I' Beam Tube 4" D2596RevD	1 BANKSIN 1981 SUNT	Manufactured	No			110	Each	6.0000	2.0000			

Web, 205 Skidtube

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
LG	6	
50762	6	

(DB5-0762 ANM9-8-26

Dart Aerospace Ltd

W/O:		. , , , , , , , , , , , , , , , , , , ,	WC	RK ORDER CHANG	ES			
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date Qt	y Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQA : _	Date: _	
Part No:PAR #:			Disposition	າ:	_ QA: N/C Clo	osed:	Date: _	
NCR:			WORK ORDI	ER NON-CONFORMA	NCE (NCR)		
DATE	STEP	P Description of NC Section A		Corrective Action Section		Verification	n Approval	Approval
DAIL	JILI		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
L								
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NOTE: Date & initial all entries



DESIGN DRAWN BY		1	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA					
CHECKED APPROVED		APPROVED	DRAWING NO. REV. D D2580 SHEET 1 OF 3					
DAT	E		TITLE SCALE					
07	.02.27		205 SKIDTUBE ASSEMBLY NTS					
Α		96.09.16	NEW ISSUE					
В		96.12.02	AS MANUFACTURED					
С		98.08.26	REDRAWN, INCLUDED DEO 9094/9097					

CHANGE TO SS WEARPLATES AND GASKETS, INCLUDE DEO 9124/9183



QTY -041	QTY -045	Part Number	Description
Х		D2580-041	SKIDTUBE ASSEMBLY
	X	D2580-045	SKIDTUBE ASSEMBLY
1	1	D2500-1-190	EXTRUSION
1	1	D2576-3	STEP
20	24	D2579	CROSS BOLT SPACER
16	16	D2594-1	PLUG
16	16	D2594-3	O-RING
1	1	D2596	205 WEB
1	1	D2855	AFT CAP
1	1	D3564-5	WEARSHOE
1	1	D3564-9	WEARSHOE
1	1	D3564-11	WEARSHOE
1	1	D3564-13	WEARSHOE
2	2	D3566-1	GASKET
1	1	D3566-5	GASKET
1	1	D3566-13	GASKET
50	50	ALS7-1032-130 or AKS7-1032-130 or AKS4-1032-130 or AELS-1032-130	INSERT
50	50	AN3C4A	BOLT
2	2	AN3-5A	BOLT
50	50	AN960C10L	WASHER
		444444	1414 61 (50

07.02.27

D



GENERAL NOTES:

1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

AN960JD10L

- 2) ALL DIMENSIONS ARE IN INCHES
- 3) INSERT D2596 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 015 BEFORE BENDING. ENSURE HOLES LINE-UP.

WASHER

- 4) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 5) USE DART DRILL TEMPLATE TD2577-205 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTION D-D (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND AN960C10L WASHERS WITH SIKAFLEX-241/-291.
- 6) WELDING TO BE DONE PER DART QSI 004.
- 7) FINISH:

SEE NOTES ON PAGE 2 FOR D2580-041 AND PAGE 3 FOR D2580-045

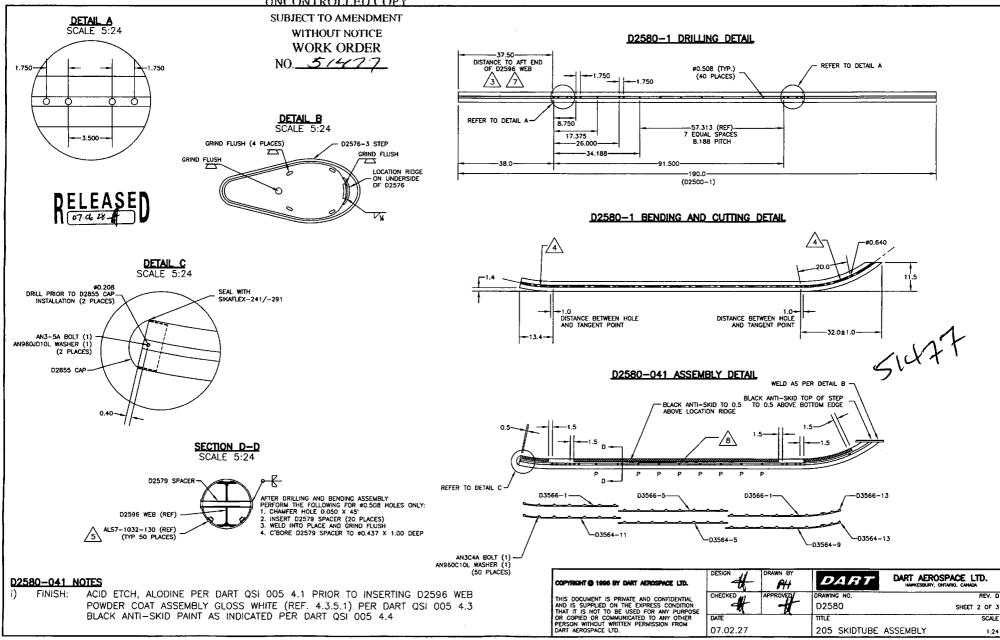
8) INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES).

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